



United States Steel Corporation
Clairton Works
400 State Street
Clairton, PA 15026

December 8, 2005

Dr. Roger C. Westman
Department of Air Quality
Bureau of Air Pollution Control
301 Thirty-Ninth Street
Pittsburgh, PA 15201

U.S. Environmental Protection Agency
Region III
Air, Radiation & Toxics Division
1650 Arch Street
Philadelphia, PA 19103-2029
ATTN: James W. Hagedorn (3AT23)

Assistant Council
Department of Environmental Protection
Southwest Region
400 Waterfront Drive
Pittsburgh, PA 15222-4745
ATTN: Steve Hepler

Department of Justice
Environmental and Natural Resource Division
Environmental Enforcement Section
P.O. Box 7611
Ben Franklin Station
Washington, D.C. 20044
ATTN: David Street, Esq.

Subject: USS Reference Number: 05-0224
ACHD Reference Number: 7028
Sulfur Plant
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

Anton Lukac
Plant Manager
Clairton Works

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Air Protection Division (3AP12)

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NOTICE OF OUTAGE OF EQUIPMENT
ARTICLE XXI - SECTION 2108.1

1. **USS Reference Number:** 05-0224
ACHD Reference Number: 7028
2. **Date & Time of Breakdown:** Date: 12/07/05 Time: 1430 hours
3. **Company Name:** U.S. Steel Corporation - USS Clairton Works
4. **Specific Equipment Involved or Affected:** Sulfur Plant
5. **BAPC Permit Number (if applicable):**
6. **Location:** Clairton, PA
7. **Nature and cause of breakdown:** Gas flow through the Sulfur Plant was disrupted when the C658 sulfur plant stripper vacuum axi tripped off line. The cause is still under investigation.

8. **Identification of Emissions:**

- A. **Type(s) (CO, NOX, SO₂, Particulates, Hydrocarbons, etc.)**
Hydrogen Sulfide in the down river gas, causing higher SO₂ at the combustion points. The daily average grains of H₂S did not exceed 40. The combustion points were Clairton Boilers and the Irvin Peachtree Flare.
- B. **Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality).** SO₂ is an eye, nose, and throat irritant.
- C. **Amount of each type emitted (or likely to be emitted).**

Chemical	Quantity Released (lbs) At Clairton Boilers
CO	10200
SO ₂	1280
NO _x	256
HC	448

9. **Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).**
The 101J Axi was brought on line and full gas flow restored to the plant.
10. **Facility back in operation -** Date: 12/07/05 Time: 1800 hours

Signature

Coleen M. Davis
Coleen M. Davis

Date

12/13/05

Senior Environmental Control Engineer Phone: 233-1015